

Converting Colors

$Y_{xy}(64.2264, 0.2997, 0.5955)$

Have a look what the booklet for
Yxy(64.2264, 0.2997, 0.5955)
contains.

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Color

Yxy(64.2264, 0.2997, 0.5955)

Conversions

Conversions Part 1

Format	Color
Hex	0CF313
RGB	12, 243, 19
RGB Percent	5%, 95%, 7%
CMY	0.9512, 0.0471, 0.9260
CMYK	0.95, 0.00, 0.92, 0.05
HSL	122°, 91%, 50%
HSV	122°, 95%, 95%
XYZ	32.3235, 64.2264, 11.3030
YIQ	148.3950, -65.7720, -118.6360

Conversions

Conversions Part 2

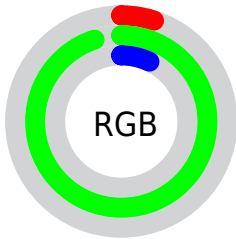
Format	Color
R_{YB}	12, 236, 243
Decimal	848659
CIE _{Lab}	84.08, -82.39, 78.56
CIE _{LCh}	84, 113.843, 136.363
Yxy	64.2264, 0.2997, 0.5955
Android (android.graphics.Color)	4279038739 (0xFF0CF313)
YUV	148.3950, -63.7917, -119.6184
Hunter-Lab	80.1414, -68.2528, 47.7368

Details

The Yxy color **64.2264, 0.2997, 0.5955** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **25.4180, 0.3277, 0.1592**, and the grayscale version is **30.1347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1978, 0.3132, 0.5268**, and **34.6979, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **64.1159, 0.2997, 0.5988**, and if you desaturate by 10%, it is **64.6605, 0.2998, 0.5833**.

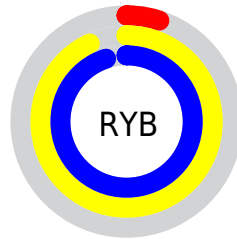
Distribution



Red (5%)

Green (95%)

Blue (7%)



Red (5%)

Yellow (93%)

Blue (95%)

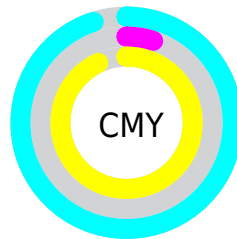


Cyan (95%)

Magenta (0%)

Yellow (92%)

Black (5%)



Cyan (95%)


Magenta (5%)


Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2264, 0.2997, 0.5955 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 64.2264, 0.2997, 0.5955 by changing the saturation by 10% instead.


 64.2264, 0.2997,
0.5955


 64.2264, 0.2997,
0.5955


440.0068, 0.3187,
0.4608


 46.8341, 0.2912,
0.6265


 110.9369, 0.3096,
0.5479


 32.9045, 0.2784,
0.6638


 141.0239, 0.3124,
0.5295


 22.0533, 0.2589,
0.7081


 176.1112, 0.3144,
0.5137

 13.8961, 0.2316,
0.7684

 216.5833, 0.3159,
0.5002

 8.0484, 0.1835,
0.8165

 262.8245, 0.3170,
0.4884

 4.1259, 0.1125,
0.8875

 315.2192, 0.3177,

 1.7443, 0.0000,

0.4780

1.0000

374.1518, 0.3183,
0.4689

■ 0.4521, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2264, 0.2997,
0.5955

■ 64.2264, 0.2997,
0.5955

■ 64.1159, 0.2997,
0.5988

■ 64.6605, 0.2998,
0.5833

■ 65.4895, 0.3003,
0.5625

■ 66.7826, 0.3014,
0.5344

■ 68.5942, 0.3029,
0.5013

■ 70.9711, 0.3046,
0.4661

■ 73.9550, 0.3065,
0.4310

■ 77.5837, 0.3084,
0.3978

■ 81.8918, 0.3103,
0.3676

■ 86.9115, 0.3119,
0.3408

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.2264, 0.4170, 0.5532



64.2264, 0.2997, 0.5955



64.2264, 0.1909, 0.4887

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.2264, 0.2997, 0.5955



64.2264, 0.1188, 0.1516



64.2264, 0.5409, 0.2892

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



64.2264, 0.2997, 0.5955



25.4180, 0.3277, 0.1592

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.2264, 0.4130, 0.2190



64.2264, 0.2997, 0.5955



64.2264, 0.1703, 0.1445

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.2264, 0.2997, 0.5955



64.2264, 0.1033, 0.1987



64.2264, 0.2693, 0.1677



64.2264, 0.5761, 0.3669

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2264, 0.2997, 0.5955



64.2264, 0.1399, 0.3667



64.2264, 0.2693, 0.1677



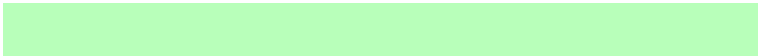
64.2264, 0.5059, 0.2646

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



64.2291, 0.2997, 0.5955



85.1888, 0.3078, 0.4081



82.5068, 0.4158, 0.5062



17.8616, 0.3070, 0.4225



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2291, 0.2997, 0.5955



71.5356, 0.2997, 0.5988



65.8366, 0.2699, 0.4890



18.4795, 0.3112, 0.3528



35.1924, 0.2995, 0.5983



3.0957, 0.2983, 0.5938

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



25.4180, 0.3277, 0.1592



28.0304, 0.3281, 0.1581



20.7809, 0.4943, 0.2522



16.7599, 0.3142, 0.3063



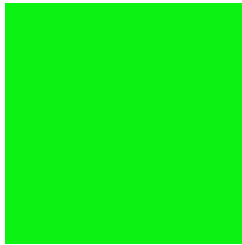
13.7924, 0.3280, 0.1581



1.2147, 0.3270, 0.1575

Previews

White Background



This preview shows how the Yxy color 64.2264, 0.2997, 0.5955 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 64.2264, 0.2997, 0.5955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

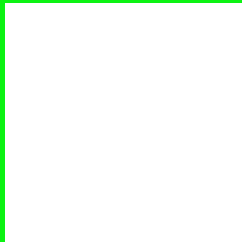
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2264, 0.2997, 0.5955

Background



This preview shows how black text looks on a background with the Yxy color 64.2264, 0.2997, 0.5955.



This preview shows how white text looks on a background with the Yxy color 64.2264, 0.2997, 0.5955.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

64.2264, 0.2997, 0.5955

Protanopia

62.6042, 0.4406, 0.4883

Deuteranopia

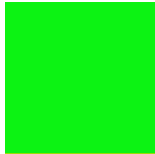
62.4385, 0.4376, 0.4309



Tritanopia

63.7491, 0.2355, 0.3064

Trichromacy



Original Color

64.2264, 0.2997, 0.5955



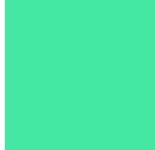
Protanomaly

58.5005, 0.3649, 0.5469



Deuteranomaly

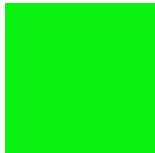
56.7020, 0.3671, 0.5080



Tritanomaly

61.5871, 0.2636, 0.4292

Monochromacy



Original Color

64.2264, 0.2997, 0.5955



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

37.4789, 0.3042, 0.4657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2264, 0.2997, 0.5955 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(12, 243, 19)` looks like.

```
.text, #text, p{  
    color:rgb(12, 243, 19)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(12, 243, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 243, 19) }
```

Border

The CSS property to change the border of an element to Yxy 64.2264, 0.2997, 0.5955 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(12, 243, 19) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(12, 243, 19) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(12, 243, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 243, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 243, 19);  
box-shadow:4px 4px 4px 4px rgb(12, 243,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2264, 0.2997, 0.5955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 243, 19) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(12, 243,  
19) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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